134 L734
661

LIMA LOCOMOTIVE WORKS
INCORPORATED

LIMA, OHIO, U. S. A.

GEARED LOCOMOTIVE

Class 80-3 TRUCK SPECIAL Dept. DRAWING ROOM

CONSTRUCTION ORDER No.	SHOP NUMBERS	DATE
399	3233	7-17-23

FORM LED 60

(3233) 399
399
80-3
3233
399
(3233)
80-3 TRUCK

ADDITIONS AND CHANGES

ADDITIONS

DATE	Page	ITEMS	Check
7-25-23	18	47-41	
" " "	12	34-35-36-37	
" " "	3	23	
7-31-23	20	30-31-33-48-55-56-57	
8-6-'23	25	32	
8-15-'23	5	2-6	
8-30-'23	6	28-29-30	
9-19-'23	15	46	
9-22-23	3	28	

ADDITIONS

DATE	Page	ITEMS	Check

CHANGES

DATE	Page	ITEMS	Check
7-20-23	2	55	
7-20-23	26	47.	
7-23-'23	26	47	
7-25-23	18	46	
7-27-'23	10	9	
8-1-'23	7	13-14-21	
8-2-'23	21	1-2-3	
8-3-'23	13	61	
8-9-'23	4	40-41	
" " "	15	2-6-8-9-10-11-16-19-20-21-22-36-45	
" " "	15	RELEASE ALL ITEMS HELD UP 7-27-23.	
" " "	1	1-16	
8-16-'23	9	50-51-52	
9-19-'23	27	21.	
9-20-'23	27	42	
9-25-'23	16	53	
" " "	12	28	

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 10—ASH PAN			ant. chg. Hold 4					
O	1	ASF OIL PAN	1	103A 5029	Hold up 7/27	—	—	—	—	—
O	2	" Pan Material Bill	1 SET	10 M.O. 5028		—	—	—	—	—
	3	" " Hopper		Oil Pan on this engine rebuilt by Customer on Repairs See Shelleys Sketch in Tates Files.						
	4	" " Slide								
	5	" " Door Frame		similar to 103A 5037						
	6	" " Slide Frame			Luke 1-15-25					
	7	" " Door Links								
	8	" " Damper Rigging								
	9	" " " Bell Crank								
	10	" " " " " Fulcrum								
O	11	" " " Hinge	2	4 1/2" x 1 3/4" x 6"	HALF BUTT	—	—	—	—	—
	12	" " " " Lug								
	13	" " " " Bar								
	14	" " " Lift—Front								
	15	" " " " —Rear								
O	16	" " " Lug	1	103A 5029		119F 49	—	—	—	—
	17	" " " "								
	18	" " " Rod Jaw								
	19	" " " " "								
	20	" " Netting Frames								
	21	" " Slide Rigging								
	22	" " " Rod								
	23	" " " Jaw								
	24	" " Shaft Bearing								
	25	" " Cleaning Door Hinge								
	26	" " Bell Crank Bracket								
	27									
	28									
	29									
	30	GROUP 11—AXLES								
O	31	AXLE	6	112B5004		112B5004	—	—	—	—
	32	"								
	33	GROUP 12—BELL								
O	34	BELL	1	12511		—	—	—	12-25	—
O	35	" Frame	1	12541		—	12-36	—	—	—
	36	" " Base	—							
O	37	" Yoke	1	12512 Line 1			12-27			
O	38	" " Nut	1	122A6008			12-40			
O	39	" " Pin	1	12541	BAR STOCK		—			
O	40	" Crank	1	"			12-37			
O	41	" Tongue	1	122A5006			—			12-35
O	42	" " Fulcrum	1	122A5007		122A5007				
	43	" Ringer Bracket	—							
O	44	" Rope ~~Details~~ SCREW EYE	3	TO SUIT ERECT. SHOP	PURCHASED	—				
O	45	" " Sheave	1	122A5019		—	12-21	—	—	—
	46	" " " Chair	—							
O	47	" " " Frame	1	122A5020		—	12-18	—	—	—
	48	" " Thimble								
	49	" " " Washer								
	50	" ~~Ringer~~ "								
	51									
	52	GROUP 13—BOILER								
O	53	Boiler Plan	1	138C5021	A.S.M.E.	—	—	—	—	—
	54	" Sections	—							
O	55	" Material Bill	1 SET	13 M.O. 5028-A		—	—	—	—	—
O	56	" Bracing List	1 "	138C5021		—	—	—	—	—
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 14—BOILER DETAILS								
O	1	Boiler Brace Rod Ends	20	142D126		117F203	Z	Z	Z	Z
O	2	" " " "	2	142B137		310S270				
O	3	" " " "	4	142A126		310S267				
	4	" " " "	—							
	5	" " " "	—							
O	6	" " " Lugs	2	142B137		14A68	—	—	—	—
O	7	" " " "	4	142A5001		14A5001	—	—	—	—
	8	" " " "	—							
	9	" " " "	—							
O	10	" " " Jaws	22	142G129		310S64	—	—	—	—
O	11	" " " "	4	142A5001		310S276	—	—	—	—
	12	" " " "	—							
	13	" " " "	—							
O	14	" " Stay Sleeves	20	Tate Style H		—	—	—	—	—
O	15	" " " Caps	20	" " D		—	—	—	—	—
	16	" Sling Stay	—							
	17	" " "	—							
O	18	" Throat Brace	8	142A138		142A138	—	—	—	—
	19	" " "	—							
	20	" Crown Bars	—							
	21	" " Roof Irons	—							
O	22	" Stay Bolt	310	4535 Line 1		4535 Line 1	Z	Z	Z	Z
O	23	" " "	354	" " 2	Rome Hollow	" " 2				
O	24	" Radial Stay	112	11721 Line 2		11721 " 2				
O	25	" " "	92	11745		11745				
O	26	" " "	20	Tates 1⅛"	Purchased	—				
	27	" Cross Stay	—							
O	28	" Tee Bar	2	11" Long			Z	Z	Z	Z
O	29	" " "	2	19" "						
O	30	" " "	2	20½" "						
O	31	" " "	1	35½" "						
	32	" " "	—							
	33	" " "	—							
O	34	" Mud Ring	1	143A5026		—	—	14-137-A	—	—
	35	" Tube Sheet Ring	—							
	36	" " " Studs	—							
O	37	" Smoke Box Ring	1	11677 Set 2		116F12	—	—	—	—
	38	" " " "	—							
O	39	" Tube (small)	196	2" O.D. #12 Gauge 12'-6¼ Long.		—	—	—	—	—
	40	" Flue (large)	—							
	41	" Combustion Tubes	—							
O	42	" Tube Setting	1 Set	11632 Style 4		—	—	—	—	—
	43	" Flue "	—							
O	44	" Test Plate	1	4200449		—	—	—	—	—
	45									
	46	**GROUP 15—BOLTS AND NUTS**								
	47									
	48	**GROUP 18—BRACKETS**								
	49	Air Gauge Bracket	—							
a	50	Steam Gauge Bracket	1	182A5072		—	18-25	—	—	—
O	51	Bottom Bracket	1	A-15505				18-123	—	
O	52	" " Caps	4	182A5032				18-58	—	
O	53	" " Bearing—Top	4	182A5089					18-33	
O	54	" " " —Bottom	4	182A5090					18-34	
O	55	" " " Wedge	4	182A5011			18-47			
O	56	" " Wedge Screw	4	182A5022		182A5022				
O	57	" " " " Nut	4	"	Bar Stock					
O	58	" " " " Cap	4	182B5075		182B5075				
O	59	Steam Bracket	1	A-15686 Line 3		—	18-21-A			
O	60	" " —Back	1	182A5067		182A5067				
O	61	" " Brace	4	182A5022	Bar Stock	—				

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 20—BRAKE EQUIPMENT								
0	1	BRAKE CYLINDER	1	203A5011			20-324			
0	2	" "	1	"			20-325			
0	3	" " Head	1	202A5153			20-133			
0	4	" " "	1	202A5096			20-62			
0	5	" " Stuff. Box Gland	1	202A5088			20-65			
0	6	" " " " "	1	202A5091			20-12			
0	7	" Piston	1	202A5114			20-48			
0	8	" "	1	202A5112			20-46			
0	9	" " Rings, Mat'l For	2	653E5002	Pot Pattern		65-2			
0	10	" " " " "	2	653B5002	" "		65-24			
0	11	" " " " "	1	3176 LINE 5	" "		65-108			
0	12	" " " " "	1	" " 2	" "		65-105			
0	13	" " Rod—Front	1	202A5152	52¼"	202A5152				
0	14	" " " —Rear	1	202D5055	45"	202D5055				
0	15	" " "	2	202B5169		202B5169				
0	16	" " " Jaw	2	"		"				
0	17	" Hollow Piston Rod	1	32" LONG	2" PIPE	—				
0	18	" " " "	1	35" "	1¼" "	—				
	19	" Strut	—							
	20	" "	—							
0	21	" EQUALIZING Reservoir Blocks & SUPPORTS	2	TO SUIT ERECT. SHOP	BLOCKS MADE OF WOOD	—	—	—	—	—
0	22	" " Support	2	202D5025				20-111		
	23	" " " STEAM BRAKE CYL. SUPPORT	2	202A5200		202A5200				
	24	" " "	"							
0	25	" " " " Strap BRAKE RESERVOIR	2	202D5025		134F1210				
0	26	" Pump Bracket	1	202A5021		—		20-614		
	27	" " "	—							
0	28	" Cyl. ~~Lever~~ ~~Fulcrum~~ BLOCKS	2	202A5200		2 7/8" FIN. SIZES" 2 7/8×6"×6¾	—	—	—	—
0	29	" Equipment	1 SET	20M.O.5004	EXCEPT ONE 8½ C.C. PUMP INSTEAD OF TWO 9½" PUMPS.					
0	30	" Valve	1	203A5010	#5		—			
0	31	" " Base	1	202A5138			20-38			
0	32	" " Cap	1	202A5137			20-39			
0	33	" " Slide Valve	1	202A5133			20-40			
0	34	" " Stem	1	202A5136	BAR STOCK					
0	35	" " Handle	1	202A5139						20-44
0	36	" " " Latch	1	202A5134	BAR STOCK					
0	37	" " Stuffing Box	1	202A5132	STICK BRASS					
0	38	" " " " Nut	1	"	" "					
0	39	" " " " Follower	1	"	" "					
0	40	" " Bracket	1	TO SUIT ERECT. SHOP						
0	41	" " " Brace	1	" " " "						
0	42	" Distributing Valve Bracket	2	B-13419 LINE 1		B-13419 LINE 1				
0	43	" Relief Valve	3	202A5140					20-71	
0	44	" " " —Top	3	"	STICK BRASS					
0	45	" " " —Base	3	"					20-73	
	46	" —Frame Body	—							
0	47	" Lever—Frame	1	488A5020		20A5049				
0	48	" " "	1	"		20V5005				
0	49	" " "	1	"		20L5007				
0	50	" " "	1	"		134F633				
0	51	" " "	1	"		134F1148				
0	52	" " "	1	"		20A5045				
0	53	" " Fulcrum—Frame	1	"	¾×3½"×6"-6" LONG					
0	54	" " " "	2	"	½"×3½"×6"-6" LONG.					
0	55	" " " PIN "	1	B-13414 SET 10						
0	56	" " Guides "	2	488A5020.		20M5010				
0	57	" " " "	1	"		20L5010				
0	58	" " " "	2	"		20B5042				
0	59	" " " "	1	"		20C5042				
	60	" " " "	—							
	61	" " " "	—							

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 20—BRAKE (Cont.)								
O	1	Brake Cylinder Bracket—Frame FRONT	1	488A5020	12"-30# CHANNEL	—				
O	2	" " " " REAR	1	"	66 1/8" LONG.	—				
O	3	" Rods "	1	"		134F265				
O	4	" " "	2	"		134F887				
O	5	" " "	1	"		134F1160				
O	6	" " "	1	"		134F358				
O	7	" " "	1	"		134F1161				
O	8	" " "	1	"	LENGTH TO SUIT E. SHOP	134F1052				
	9	"								
O	10	" Beam— Truck O	6	~~A-9824 LINE~~	202A5201 ~~Are for future~~	—	—	—	—	
O	11	" " Fulcrum "	6	202A5047		—	—	20-85	—	
O	12	" " Safety Chain "	4	938A5004		20K5059				
O	13	" " ~~Loop~~ "	8	"		20M5059				
O	14	" Hanger "	24	"	(8 / 16)	20C5027 / 20L5027				
O	15	" " Lug "	12	202A5072		—	—	20-632	—	
O	16	" Heads "	12	203B5008		—	—	20-79	—	
O	17	" Shoes "	12	202B5104	(S) PAT. 20-499 PURCHASED	—				
O	18	" Lever "	4	938A5004		98F129				
O	19	" " "	2	"		98F128				
O	20	" " LINKS "	4	"		5/8" x 2 1/2" x 11"				
O	21	" " PINS "	6	202J5016		202J5016	—	—	—	—
O	22	" " PINS "	6	202W5016		202W5016	—	—	—	—
O	23	" " PINS CENTER & "	6	202N5016		202N5016				
O	24	" Rod REAR "	4	202C5033		202C5033				
O	25	" " FRONT "	2	202B5033		202B5033				
O	26	" " "	5	202E5018		202E5018				
O	27	" " "	1	202F5018		202F5018				
O	28	Truck ~~Bolster Lever Fulcrum~~ BRAKE ROD HANGER	12	938A5004		1/2" x 2 1/2" x 6 1/4"				
O	29	" " Stop Lug	6	"		93D5004				
	30	**GROUP 21—BUMPERS**								
O	31	End Timber Arrangement—Front	1	213A5013	WOOD					
O	32	" " " —Rear	1	213A5010						
O	33	" " Channels—Front	1	213A5013	15"-33# CHANNEL					
O	34	" " " —Rear	1	213A5010	108" LONG.					
	35	" " Drawhead Blocks	—							
O	36	Push Pole Pocket	4	212A5002		—	21-7	—	—	—
	37									
	38									
	39	**GROUP 22—CAB**								
O	40	Cab	1	224B5004 NX77 LINE 8	PLATE	—	—	—	—	—
O	41	" Material Bill	1 SET	22M.O. ~~5004~~ 5004-A		—	—	—	—	—
	42									
	43									
	44	**GROUP 23—CAB DETAILS**								
O	45	Cab Arm Rest	2	11165 LINE 3	202C5032	—	—	—	—	—
	46	" Joint Plate								
	47	" Strap								
	48	" Saddle Angle								
	49	" " Plate								
	50	" Sash Fixture								
O	51	" Storm Window	1	232F5012		—	—	—	—	—
	52	" " "	—							
O	53	" " " Adjusting Bar	1	232A5010		232A5010	—	—	—	—
	54	" " " " Plate								
	55	" Awning								
	56	" Curtain								
	57	" " Rod								
	58	" Door Fixture								
O	59	" " " Clamp	2	232A5019		—				23-3
O	60	" " " " Screw	2	232A5018		—				23-2
O	61	" " " " Slide Bar	2	232A5023		1/4" x 3/4" x 28"				—

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	M
		GROUP 23—CAB DETAILS (Cont.)								
O	1	Cab Door Fixture Rod	2	232A5020		111F35	—	—	—	—
W	2	" Ventilator	1	A-11100	PLATE	—	—	—	—	—
	3	" " Fixture	—							
O	4	" " Handle	1	11145		111F30	—	—	—	—
O	5	" " " Hinge	1	"		111F31	—	—	—	—
W	6	" " " Latch	1	A-11100		111-F-155	—	—	—	—
	7	" " Rod	—							
O	8	" Seat—Right	1	232A5021	WOOD	—	Z	Z	Z	Z
O	9	" " —Left	1	"		—				
O	10	" " Back Support	2	"		1/4"×3"×24"				
	11	" " Cushion								
	12	" " Post								
	13	" " Hinge								
	14	" " Rod								
O	15	" Tool Box	1	A-11154	WOOD	—	—	—	—	—
O	16	" DOOR LOCKS	2	YALE NIGHT RIM LATCH	PURCHASED	—	—	—	—	—
	17									
	18									
	19									
	20	**GROUP 26—COCK AND VALVES**								
P	21	Air Sander Valve	2	1/4" GLOBE		—	—	—	—	—
	22									
	23	Angle Valve								
	24	" " Cap								
	25	" " Stem								
	26	" " Gland								
	27	" " Nut								
	28									
	29	Ash Pan Cock	—							
	30									
	31	Bell Ringer Valve	—							
	32									
P	33	Blower Valve ad steam turret	1	1 1/4" ANGLE FEMALE INLET & UNION OUTLET	Crane #1813	—	—	—	—	—
	34	" " Cap								
	35	" " Stem								
	36	" " Gland								
	37	" " Nut								
P	38	Blow Off Cock	1	2" CRANE		—	—	—	—	—
	39	" " " Cap								
	40	" " " Plug								
	41	" " " Nut								
	42	" " " Washer								
	43	" " Extension								
	44	Blow-off Valve								
O	45	Injector Starting Valve	2	1 1/2" GLOBE MALE INLET & 1 3/4" C.P. UNION		—	—	—	—	—
	46	" " " Cap								
	47	" " " Stem								
	48	" " " Gland								
	49	" " " Nut								
O	50	Brake Stop Valve—Steam	1	3/4" GLOBE MALE INLET & 1 3/4" C.P. UNION		—	Z	Z	Z	Z
O	51	" " " —Air	1	1 1/4" ANGLE #1811		—				
O	52	" " " —Inter.	1	1" GLOBE #1807		—				
	53									
	54	Cinder Swipe Valve	—							
	55									
O	56	Cylinder Cock	6	5545		—	Z	Z	Z	26-43
O	57	" " Nut	6	"	STICK BRASS	—	Z	Z	Z	Z
O	58	" " ~~Shank~~ NIPPLE	6	"	" "	—				
O	59	" " Valve	6	"		—	Z	Z	Z	26-42
O	60	" " Cap	6	"	STICK BRASS	—	Z	Z	Z	—
O	61	" " UNION NUT	6	"	" "	—	Z	Z	Z	Z

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont.)								
	1	Drip Valve Brake Exhaust Drain	—							
	2	" " Check Pipe "	2	1/2" GLOBE	CRANE #1807 #4					
	3	" " Exhaust " "	1	1/2 "						
	4	" " Steam Chest "	1	1/2" "						
	5	" " Water Gauge "	1	1/4" "						
	6									
	7	Drip Cock—Brake Exhaust Drain	1	1/4" AIR COCK		—	—	—	—	—
	8	" " — " " " —Air	1	1/4" " "		—	—	—	—	—
	9	" " —Check Pipe Drain								
	10	" " —Fuel Sprinkler Drain	1	1/4" AIR COCK						
	11	" " —Siphon Drain	1	3/8" " "						
	12	" " —Oil Heater Drain	3	3/8" " "						
	13	Generator Valve	1	3/4" ANGLE #1811 CRANE						
	14	" " Cap								
	15	" " Stem								
	16	" " Gland								
	17	" " Nut								
	18									
	19	Feed Cock								
	20	Heater Valve								
	21	SMOKE BOX DRAIN COCK	1	1/2" CUT OUT COCK						
	22	Lubricator Valve	—							
	23	" " Extension	—							
	24	Oil Burner Valves	2	1/2" GLOBE	CRANE #1807 #4					
	25	" Heater "	1	1/2" "						
	26	" Tank Blow-Back Valve	1	1/2" "						
	27	" " Heater Valve	1	1/2" "						
	28	Oil Cock	1	262A5003						26-34
	29	" " Cap	1	"						26-33
	30	" " Plug	1	"						26-32
	31	" " Spring	1	"	#11-WIRE					
	32	" " Washer	—							
	33	" TURRET VALVE	1	1" GLOBE	Crane #4					
	34	Plug Cock—Injector Check								
	35	" " Cap								
	36	" " Plug								
	37	" " Nut								
	38	" " Washer								
	39									
	40	Port Cock	—							
	41									
	42	Siphon Valve	1	1 1/2" GLOBE-MALE INLET & FEMALE OUTLET						
	43									
	44	Sprinkler Valve	1	1/2" GLOBE						
	45	" " Cap								
	46	" " Stem								
	47	" " Gland								
	48	" " Nut								
	49									
	50									
	51	Steam Gauge Cock	1	1/4" CYL. COCK LEVER HANDLE & 3/8" C.P. UNION						
	52									
	53	Steam Gauge Cock Extension	1	11464 STYLE 1 STICK BRASS						
	54									
	55	Tire Sprinkler Valve	—							
	56									
	57	Through Valve								
	58	" " Cap								
	59	" " Stem								
	60	" " Gland								
	61	" " Nut								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 27—COCKS AND VALVES (GAUGE, WATER AND SPECIAL)								
P	1	Gauge Cock	3	3/4" NATHAN TYPE 272 A1001 EXCEPT		3/4" P. THD.				
	2	" " Valve								
	3	" " Cap								
	4	" " Stem								
	5	" " Gland								
	6	" " Nut								
	7									
	8									
	9	Gauge Cock Extension	—							
P	10	" " Dripper	1	11430 SET 1		—	27-33	—	—	—
	11									
	12									
P	13	WATER GAUGE	1	# 9 REFLEX						
P	14	" " Upper Fitting	1	3/4" NATHAN ~~STANDARD~~						
	15	" " " " Cap								
	16	" " " " Valve								
	17	" " " " Stem			THD. 3/4" P. SIZE LENGTH TO SUIT E.S.					
	18	" " " " Gland								
	19	" " " " Nut								
	20	" " " " Washer								
P	21	" " Lower Fitting	1	3/4" NATHAN ~~STANDARD~~						
	22	" " " " Cap								
	23	" " " " Valve								
	24	" " " " Stem								
	25	" " " " Gland								
	26	" " " " Nut								
	27	" " " " Washer								
P	28	" " Cock Elbow	1	272 A 5003		—	—	—	27-8	—
P	29	" " Lamp Bracket	1	TO SUIT ERECT. SHOP		TO SUIT ERECT. SHOP	—	—	—	—
	30	" " Marker "								
	31	" " " " Clamp								
	32	" " "								
	33	Water Gauge Extension	2	TO SUIT ERECT. SHOP 1 3/4" STICK BRASS						
	34	Water Gauge Cock	—							
	35									
	36	**GROUP 28—COCK RIGGING**								
	37									
O	38	Blow-off Cock Rigging	1 SET	A-11405 LINE 2			—			
O	39	" " " Handle	1	732 A 5027			73-6			
O	40	" " " Rod	1	3/8" PIPE TO SUIT ERECT. SHOP						
	41	" " " "	—							
O	42	" " " " Jaw	1	A-11405		114 F 4	—	—	—	—
	43	" " " Lever	—							
	44	" " " " Fulcrum	—							
	45									
O	46	Cylinder Cock Rigging	1 SET	7328 LINE 1			—			
O	47	" " Eye Bolt	3	282 A 5005			—			
O	48	" " Hand Lever	1	282 A 5006			28-2			
	49	" " " " Fulcrum	—							
O	50	" " Rod	1	3/8" PIPE TO SUIT E. SHOP.			—	—	—	—
O	51	" " " Lever	3	282 A 5004			—	—	—	28-1
	52	" " ~~" Jaws~~	~~3~~							
	53	" " Valve Lever								
O	54	" " " " Connection	3	7328 LINE 1	C.R. STEEL	3/16 x 3/4 x 19 7/8"	—	—	—	—
	55	**GROUP 30—CROSSHEAD**								
O	56	Crosshead	3	4648 LINE 2		—	—	30-99		
O	57	" Shoe	6	7821 302 B 5060		—	30-22			
O	58	" " Bolts	24	4648 2,1, 5/4" x 17/32 DIA.		FIN. SIZES. 7 3/8 x 3 1/8 DIA.				
O	59	" Pin	3	302 A 5050						
O	60	" Key	3	302 A 5025	CHROME VANADIUM	302 A 5025				
C	61	" PIN NUT	3	7813 SET 2	2 15/16" HEX. 7/8 THICK 1 7/8" TAP.					

Held to be purchased if possible otherwise order from as S.O. 370

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 31—CYLINDER								
O	1	CYLINDER	2	313A5003			31-102	—		
O	2	"	/	"			31-103	—		
O	3	" Frame	2	313B5004			—	31-40		
O	4	" "	/	"			—	31-40		
	5	**GROUP 32—CYLINDER DETAILS**								
O	6	Cylinder Head	3	322A5046		—	32-39	—	—	—
O	7	" " Casing	3	7203SET 5		—	32-28	—	—	—
	8									
	9									
O	10	Steam Chest Cover	3	322A5014		—	32-31	—	—	—
O	11	" " Casing	3	7401 SET 1		—	32-12	—	—	—
	12	Valve Chamber Head								
	13	" " "								
	14	" " Cover								
	15	" " Bushing								
	16									
	17									
	18	**GROUP 34—CYL BY-PASS & RELIEF VAL**								
O	19	Steam Chest Relief Valve	3	7432 LINE 1	STICK BRASS				—	
O	20	" " " " Base	3	"					34-3	
O	21	" " " " Cap	3	"					34-2	
	22									
	23									
	24									
	25									
	26	**GROUP 35—DIE WORK**								
	27									
	28									
	29									
	30									
	31									
	32									
	33	**GROUP 36—DOME**								
O	34	Dome	1	138C5021						
O	35	" Flange	/	362F5001						
O	36	" " Radius	—	30½"						
O	37	" Cap	/	362C5011						
O	38	" Ring	/	362A5010						
O	39	" Casing—~~Base~~	1	363C5015	PRESSED STEEL					
	40	" " —Shell								
	41	" " —Top								
	42	" Flow Bowl								
	43	" " " Bracket								
	44									
	45									
	46									
	47	**GROUP 37—DRAWGEAR F & B**								
O	48	Coupler F.	/	373A5002					37-14	
O	49	" B.	/	"					37-14	
O	50	" Knuckles	2	372K5000	12" FACE.				37-16	
O	51	" "	/	372B5000					37-4	
O	52	" Lock	2	372A5008					37-15	
	53	" " Lifter								
	54	" Link								
	55	" Lever								
O	56	Uncoupling Shaft	/	213A5013			37J5009			
O	57	" "	/	213A5010			"			
O	58	" " Bracket	3	213A5013			104F99			
O	59	" " "	2	213A5010			"			
O	60	Buffer	/	"			37E5005			
	61									

B-15403

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 37—DRAWGEAR (Cont.)								
6	1	Drawhead	2	372B5030		—	—	37-51	—	—
	2	Draw Gear Brace								
	3	" " "								
	4	" " " Foot								
	5	" " " Foot								
	6	" " Back	~~2~~							
	7	" " Shims	1							
0	8	" " Pin	2	A-10457 SET 3		2½" DIA. x 23¼"		—		
0	9	" " Frame—Front	1	A-10469 LINE 2	373A5020			37-260		
0	10	" " " "	1	"	"			37-261		
0	11	" " " —Rear	1	" "	373D5020			37-262		
0	12	" " " "	1	"	"			37-263		
0	13	" " Tie Plate	2	213A5009		104F80		—		
0	14	" " Friction Plate	8	A-10471				37-89		
0	15	" " Sliding Bar	2	A-10457 SET 1				37-94		
0	16	" " " "	2	" "				37-95		
0	17	" " ~~Connecting Rod~~ PIN WASHER	4	" " 4		¼" x 4½" x 6"		—		
0	18	" " FRAME SPREADER ~~Pin~~	2	A-10415 STYLE 1		—		37-92		
0	19	" " Yoke	2	213A5009		104F85		—		
0	20	" " " Block	2	A-10457 SET 2		—		37-93		
0	21	" " " Followers	2	10454 " 1		104-F-95		—		
0	22	" " " "	2	" " 2		104-F-96		—		
0	23	" " " Binder Plate	2	213A5009		104-F-90		—		
	24	" " Carrier Link								
	25	" " " Pin								
	26	" " " Plate								
0	27	" Bar Guide	2	372B5038		—	—	37-23		
0	28	" " Pin	4	A-10457 SET 5		145F1		—		
0	29	" " Carry Iron	1 1	213A5003 213A5010		104F29		—		
0	30	" " " " Bolt Liner	1 1	213A5003 213A5010		½ x 3 x 40		—		
0	31	" Pin—Front	1	—		104F9		—		
0	32	" " —Back	1	—		104F9		—		
0	33	Shackle Bar	1	10816 LINE 3		108F16		—		
0	34	" " Key	1	"		108F20		—		
0	35	" " Gibs	2	"		1" x 3" x 6"		—		
0	36	" " Brace	1	"		108F18		—		
0	37	" " " Pad	1	"		—		37-77		
0	38	" " " Pin	1	"		108F25		—		
0	39	" " Pin	1	10851 LINE 13		10851 LINE 13		—		
0	40	Safety Link	2	10816 " 1		108F30		—		
0	41	" " Pins	4	10851 " 11		10851 LINE 11		—		
	42									
	43	**GROUP 39—ECCENTRICS**								
0	44	ECCENTRIC—No. 1 Cylinder	1	8410 SET 1				39-357		
0	45	" No. 3 Cylinder	1	"				39-357		
0	46	" No. 2 Cylinder—Top	1	"				39-358		
0	47	" No. 2 Cylinder—Bot.	1	"				39-359		
0	48	" Key	2	"	CHROME VANADIUM MACH. STEEL			—		
0	49	" Stud	2	"				—		
0	50	ECCENTRIC STRAP Top	6	392A~~5080~~ 5079	This change was made to accomodate the shop who had 392A5079 in stock and it would have caused a delay to make 392A5086 for future use			39-53		
0	51	" " Bottom	6	" "				39-54		
0	52	" " Bolts	12	" "				—		
	53	" " Liner	—							
	54	" " Filler	—							
	55									
0	56	ECCENTRIC ROD	3	4690 LINE 1		84-F-10		—		
0	57	" "	3	"		84-F-15		—		
0	58	" " Pin	6	393J5000		—		—		
	59	" " "	—							
0	60	" " Bolts	12	~~8511~~ 8509 SET 1		—		—		
	61	" " "	—							

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 42—ERECTING CARDS								
O	1	ERECTING PLAN—Elevation	1	428 A 5041		—	—	—	—	—
	2	GROUP 43—ERECTING CARDS								
O	3	ERECTING PLAN—Sections	1	433 A 5042		—	—	—	—	—
	4									
	5	GROUP 44—EXHAUST PIPE & NOZZLES								
O	6	EXHAUST Drop Pipe	1	442 A 5030		—	44-550	—	—	—
	7	" " Pipe Flange	—							
O	8	" Nozzle	1	442 A 5061			44-108 108			
O	9	" "	1	442 B 5061			44-~~109~~			
O	10	" "	1	442 C 5061			44-110			
	11	" " Tip		442 D 5061	3 1/4"		44-636	~~4B4~~ 2-6-41		
	12	" Extension								
	13	" Gland								
O	14	" Reducer	1	12894 LINE 3			44-146			
O	15	" " Gland	1	442 B 5023			44-539			
O	16	" Pipe Elbow	1	442 A 5020			44-536			
	17	" " Joint Ring	—							
O	18	" "	1	442 D 5015	7" W.I. PIPE	—	—	—	—	—
O	19	" " Nipple	1	"		—	—	—	—	—
	20	GROUP 45—FIREDOOR AND FIREBRICK								
O	21	FIRE BRICK	575	AND 3 SACKS OF FIRE CLAY FOR INSTALLING AT DESTINATION						
	22	" " Arch Tube	—							
	23	" " " " Setting	—							
	24									
O	25	FIRE DOOR	1	12718		—	45-55			
O	26	" " Frame	1	"		—	45-54			
O	27	" " ~~Liner~~ LATCH STUD	1	"		4 1/2" x 1" DIA.				
O	28	" " ~~Latch~~ THUMB NUT STUD	1	"		3 1/2" x 5/8" "				
O	29	" " " ~~Handle~~ HINGE PIN	1	"		43 B 5000				
O	30	" " " Guide	1	"						
O	31	" " ~~Shield~~ LOCK & DEFLECTOR	1	"	453-E-5008		45-~~56~~ 135	6/38		
O	32	" " Damper	1	"			45-53			
O	33	" " " Bearing	1	"			45-5			
O	34	" " " "	1	"			45-6			
O	35	" " " Handle	1	"		380-S-40				
O	36	" " " Thumb Nuts	1	"		380-S-39				
O	37	" " Peep Hole Cover	1	"	PLATE	3[illegible]				
	38									
	39									
	40									
	41	GROUP 48—FRAME AND DETAILS								
O	42	FRAME	1	488 A 5020			—			
O	43	" Boiler Saddle	1	10602 SET 1	RAD. 25 3/8"		48-173			
O	44	" " "	1	"	TO 26 1/4"		48-174			
	45	" " Pad Clamp								
	46	" " " "								
	47	" " " "								
O	48	" BOLSTER FILL BLOCKS	4	488 A 5020		5/8" x 34 1/2" x 27"				
O	49	" Bolster Fill Blocks	4	"		5/8" x 34 1/2" x 12"				
O	50	" Centre Plate	2	483 C 5008		—		48-47		
O	51	" Side Bearing—Right	2	488 A 5020		1 3/4" x 5 1/2" x 16 1/2"				
O	52	" " " —Left	2	"		1 3/4" x 5" x 16"				
O	53	" Spreader	~~8~~ 1	"		1 1/4" x 5" x 66 1/8"				
	54	" Truss Pad	1	"		1 1/4" x 5" x 64 1/2"				
	55	" " "								
	56	" " Head								
	57	" " Post Head								
	58	" " " Socket								
	59	" " Rod Washers								
O	60	" REINFORCING PLATE Main ~~Truss~~ Rod—Right -TOP	2	488 A 5020	1" x 7" x 10'-6"	—	—	—	—	—
O	61	" " " ~~—Left~~ " -BOTTOM	2	"	1" x 13" x 11'-4"	—	—	—	—	—

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 48—FRAME & DETAILS (Cont.)								
O	1	FRAME LINER Truss Rod Ends	2	488A 5020		4 1/16" x 3" x 6"				
O	2	" " "	2	"		4 1/16" x 2 3/4" x 6"				
O	3	" " "	6	"		4 1/16" x 5 1/4" x 6"				
O	4	" " "	1	"		4 1/16" x 2 1/4" x 12"				
O	5	" " Columns	6	"		4 1/16" x 1 1/4" x 2 1/2"				
O	6	" " "	1	"		4 1/16" x 2 1/4" x 10"				
O	7	" Post Guides	2	"		4 1/16" x 6" x 5 1/2"				
O	8	" " "	1	"		1/2" x 7" x 32 1/2"				
O	9	Frame Brace	1	"		48 E 5004				
O	10	" LINER	1	"		1/2" x 6" x 31"				
O	11	" ANGLE	4	"		5/8" x 6" x 6" - 5" LONG				
O	12	" PLATE	1	"		1/2" x 18 3/4" x 60"				
O	13	" "	1	"		1/2" x 18 3/4" x 54"				
O	14	" "	1	"		1/2" x 33 5/8" x 60"				
O	15	Frame Pit Irons	3	"		110-F-242				
O	16	" " "	1	"		20 H 5025				
O	17	" PLATE	1	"		1/2" x 33 5/8" x 54"				
	18	" " "	—							
O	19	" End Casting	1	483 B 5035		—	—	48-616	—	—
	20	" " Timber Brace	—							
O	21	" Angle	4	488A 5020		5/8" x 6" x 6" - 15 1/2" LONG				
O	22	" "	8	"		5/8" x 3 1/2" x 6" - 9 1/2" "				
O	23	" "	8	"		5/8" x 6" x 6" - 9 1/2" "				
O	24	" "	2	"		1/2" x 3" x 3" - 9 1/2" "				
O	25	" "	2	"		1/2" x 3 1/2" x 3 1/2" - 9 1/2" "				
O	26	" "	2	"		3/4" x 6" x 6" - 11 1/4" "				
O	27	" Smoke Box Brace Pad	2	13007 SET 3		—	48-16			
O	28	EXPANSION PLATE	1	482A 5136	PLATE	—				
O	29	" " Angle	1 SET	"		482A 5136				
O	30	FURNACE BEARER—Front	1	483A 5044				48-664		
O	31	" " —Rear	1	482A 5133				48-662		
O	32	" " Plate	1	482A 5135	PLATE			—		
O	33	" " Fill Blocks	2	482A 5134				48-663		
	34	Boiler Pad—Right	—							
	35	" " —Left	—							
	36									
	37									
	38	GROUP 49—GAUGES, TEMPLATES & JIGS	—							
	39									
	40									
	41									
	42	GROUP 50—GUIDES & ATTACHMENTS								
P	43	Guide	3 PAIR	4470			50-204	—	—	—
	44									
	45									
	46	GROUP 51—GRATE ARRANGEMENT								
	47	Grate Arrangement	—							
	48	GROUP 52—GRATE DETAILS								
	49									
	50									
	51	Grate Bars								
	52	" "								
	53	" "								
	54	" Center Rail								
	55	" Side "								
	56	" " "								
	57	" Cover Plate								
	58	" " "								
	59	" Shaker Pins								
	60	" " "								
	61	" " "								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 52—GRATE DETAILS (Cont.)								
	1	Grate Dead Plate								
	2	" " "								
	3	" Drop "								
	4	" Dump Shaft								
	5	" " " Bearing								
	6	" " " "								
	7	" " " Links								
	8	" " " Lever								
	9	" " Lever								
	10	" Shaker Shaft Bracket								
	11	" " " "								
	12	" " Lever								
	13	" " Shaft								
	14	" " "								
	15	" " " Lever								
	16	" " " "								
	17	" " " Hand Lever								
	18	" " " " "								
	19	" " Lever Connection								
	20	" " " "								
	21	" " Connection Bar								
	22	" " " "								
	23	**GROUP 53—H'NDRAIL & STEPS (En.&Tr)**								
	24	HAND RAIL	—							
C	25	" " Bracket	2	10010			53-10			
C	26	" " Balls	7	532 E 5034			53-4			
C	27	" " Columns	6	532 A 5034			53-1			
C	28	" " "	2 4	420-D-~~5020~~ 1231			53-135			
C	29	" " "	2	A-11404			53-7			
	30	" " "	—							
C	31	" " " Blocks	2	532 D 5034		—	53-6	—	—	—
	32	" " " "	—							
C	33	" " Flanges	2	532 F 5034		—	53-5			
M	34	Cab Handle—Right	1	532 C 5027		532 C 5027				
M	35	" " —Left	1	~~532 A 5044~~		532 A 5044				
M	36	Coal Bunk Handle—Right	1	A-11178 SET 1 LINE 4		A-11178 SET 1 LINE 4				
M	37	" " " —Left	1	532 B 5044		532 B 5044				
C	38	Tank Handle	2	15158 LINE 2		151-F-11				
C	39	End Timber Handle	1	213 A 5013		103-F-54				
C	40	" " "	1	213 A 5010		103-F-176				
C	41	" " " Bracket	1	"		103-F-46	53 B 5008 after 3-10-25 DT.			
C	42	" " " "	1	213 A 5013		103-F-165				
C	43	TANK HANDLE	2	15158 LINE 6		151-F-15				
	44									
	45	Bottom Bracket Step	—							
C	46	Cab Step	1	533 A 5004	PLATE	—	—	—	—	—
C	47	" "	1	533 C 5004	PLATE	—	—	—	—	—
	48	" "								
	49	" "								
	50	" " Brace								
	51	" " "								
	52	Cylinder Step								
	53	" Hood Step								
	54	Generator Step								
C	55	End Timber Step—Front	4	213 A 5013	WOOD TREAD	103-F-41				
C	56	" " " —Back	4	213 A 5010	WOOD TREAD	103-F-41				
C	57	~~Headlight Step~~ " " "	1	"		53 A 5009				
C	58	~~Pilot Step~~ " " "	1	213 A 5013		"				
	59	" "	—							
I	60	Sand Box Step	1	D-4141		—	53-14	—	—	—
C	61	" " " Bracket	1	533 B 5033		533 B 5033	—	—	—	—

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 54—HEADLIGHTS, LAMPS, PLATES, ETC.								
	1	Flag Socket	—							
	2	" "	—							
✓	3	Headlight {~~Oil~~ Electric}	2	16" SUNBEAM-RD. CASE # 1016-A & SUNBEAM TURBO GENERATOR			—			
✓	4	Headlight Bracket	1 PAIR	4780	PLATE		54-2			
✓	5	" Columns	4	10012 LINE 1						
✓	6	" Shelf—Front	1	10020	PLATE					
✓	7	" " —Rear	1	¼" x 18" x 24"						
✓	8	Generator Bracket	2	10003		100F-3				
✓	9	" Shelf	1	"	¼"x15"x18" PLATE					
✓	10	Lamp	1	DAYTON ELECTRIC	PURCHASED					
✓	11	"	1	" "						
✓	12	" Bracket	1	A-11425 LINE 4		114-F-31				
	13	" "	—							
✓	14	Number Plate	1	542A5009					54-6	
✓	15	" " Stud	1	A-12969	BAR STOCK				—	
✓	16	Builder's Card	2	642A82					54-169	
✓	17	Name Plate	2	B-11138			54-4		—	
✓	18	Patent Plate	1	542A5006			—		54-183	
	19	Property Plate	—							
	20	Superheater Patent Plate	—							
✓	21	Electrical Equipment	1 SET	54M05004		—	—	—	—	—
	22									
	23									
	24	**GROUP 55—INJECTORS & FEED, WATER**								
✓	25	Injectors	2	# 8 NATHAN LIFTING-LEVER HANDLE MONITOR-TYPE # 88			—	—	—	—
✓	26	" Bracket	2	TO SUIT ERECT. SHOP		TO SUIT ERECT. SHOP	—	—	—	—
	27									
	28									
	29									
✓	30	Injector Check Valve	2	2" SWING-200# PRESSURE — PURCHASED			—	—	—	—
	31	" " Flange	—							
✓	32	" Stop Valve	2	552E5010	PURCHASED	—	—	—	—	—
	33	Feed Pipe Strainer	—							
✓	34	" " Bracket	2	552A5005		—	55-92	—	—	—
✓	35	" " " Cap	2	"		—	55-94	—	—	—
	36	" Pipe Hanger	—							
	37	" Hose Connection	—							
✓	38	" " " Nuts	4	553A5001			55-68		—	
✓	39	" " " "	4	"			—		55-69	
✓	40	" " " Nipples	4	"			—		55-70	
	41									
	42									
	43									
	44	**GROUP 57—LAGGING & JACKET**								
✓	45	Lagging (Boiler)	1 SET	57M05015		—	—	—	—	—
	46	" Panel								
	47	" "								
	48	" "								
	49	" Angle Iron								
	50	" " "								
✓	51	Jacket (Boiler)	1 SET	PICKLED STEEL		—	—	—	—	—
	52	" Band	—							
✓	53	" " Angle	4	57E5000		57E5000				—
✓	54	" Clamp	48	570D46		—				57-28
✓	55	" "EYE BOLT	6	572A5004		572A6004				—
✓	56	Plug Casing	6	572A6		—				57-4
	57	" "								
	58	" Cover								
	59	Cylinder Lagging								
	60	" Jacket		572E5006						
✓	61	" Hood	1	TO SUIT E. SHOP	PLATE	—	—	—	—	—

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 58—LINK MOTION						58-11		
✓	1	Link	3	583A5003		—	—	58-11	—	—
	2	" —Top Half	—							
	3	" —Bottom Half	—							
✓	4	" Saddle	3	583A5003		81-F-8	—	—	—	—
✓	5	" " Bolts	6	8511 Set 1		—	—	—	—	—
	6	" " "	—							
✓	7	" Block	3	582A5016	Mat. for Three	582A5016	—	—	—	—
✓	8	" " Pin	3	8506						
✓	9	" " Plates	6	582A5016	CR. STEEL					
	10	" " Ends	—							
✓	11	" Hanger	3	582A5009		582A5009	—	—	—	—
✓	12	" " Pin	3	8508 Set 1		—	—	—	—	—
	13									
	14	GROUP 59—OIL CUPS & LUBRICATION								
✓	15	Lubricator	1	NATHAN S FEED 1918 TYPE		—	—	—	—	—
✓	16	" Bracket	1	TO SUIT E. SHOP		TO SUIT E. SHOP	—	—	—	—
	17									
✓	18	Bottom Bracket Oil Cup	4	592A5006		—	59-48	—	—	—
✓	19	" " " " Cap	4	"		—	59-49	—	—	—
	20	" " " " Nut								
	21	" " " " Plug								
	22	" " " " Cover								
	23	" " " " "								
	24	" " " " Hinge Lugs								
	25	" " " " " "								
✓	26	" " Grease Cup	4	#3 APOLLO	PURCHASED	—	—	—	—	—
	27	" " " " Cap								
	28	" " " " Nut								
	29	" " " " Plug								
✓	30	Crosshead ~~Oil Cup~~ PIN GREASE CUP	3	#2 POWELL-PLAIN STEEL-SHANK 3/8" P. THD - PURCHASED			—	—	—	—
	31	" " " Cap								
	32	" " " Nut								
	33	Ecc. Strap Oil Cup								
	34	" " " " Cap								
	35	" " " " Nut								
	36	Gear Oil Cups								
	37	" " " Covers								
✓	38	Guide ~~Oil Cup~~ GREASE CUP	6	#4 POWELL-PLAIN STEEL-SHANK 1/2" P. THD- PURCHASED			—	—	—	—
	39	" " " Cap								
	40	" " " Nut								
	41	Link Oil Cup								
	42	" " " Cap								
	43	" " " Nut								
✓	44	Packing Oil Cup	3	592A5005		—	—	—	59-44	—
✓	45	" " " Cap	3	"		—	—	—	59-45	—
	46	" " " Nut								
	47	Rod Oil Cup								
	48	" " " Cap								
✓	49	" " " Plug	3	592A~~5005~~ 5025		—	59-355	—	—	—
	50	" " " Latch								
	51	" " " Spring								
	52	" " " Base								
✓	53	Tumb. Shaft Oil Cup	3	#4 SPRING TOP	PURCHASED	—	—	—	—	—
	54	" " " " Cap	—							
	55	" " " " Nut	—							
✓	56	Truck Box Oil Cup Cover—R. Box	6	TO SUIT TRUCK SHOP	PLATED	—	—	—	—	—
✓	57	" " " " " ~~L. Box~~ SPRING	6	" " " "	SPRING STEEL	—	—	—	—	—
	58	" " " " " Hinge Plate	—							
	59	Valve Stem Oil Cup	—							
✓	60	Oil Can Shelf	1	592A5002	PLATE	—	—	—	—	—
✓	61	" " " Bracket	2	"		59-A-5001	—	—	—	—

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 60—OIL BURNER, ENGINE ONLY								
O	1	Oil Burner	1	3" VON BODEN	PURCHASED	—	—	—	—	—
O	2	" " Arrangement	1	603A 5025 5020		—	—	—	—	—
	3	" " Support	—							
O	4	" " Turret	1	C-11881		—	60-3			
O	5	" Cock Rod	1	3/4" PIPE-LENGTH TO SUIT E. SHOP		—	—			
O	6	" " " Jaw	2	603A 5025 5020		118-F-186	—			
	7	" " " "	—							
O	8	" " Shaft	1	603A 5025 5020		118-F-581				
O	9	" " ARM Arm	1	602A 5009		602A 5009				
O	10	" " " Hanger	1	603A 5025 5020		118-F-364				
O	11	" " " Collar	1			1 1/2" x 2 1/4" DIA				
O	12	" Pipe Support	2	TO SUIT ERECT. SHOP		118-F-350				
	13	" " "	—							
O	14	" " Clamp	2	TO SUIT ERECT. SHOP		118-F-353	—	—	—	—
	15	" " "	—							
O	16	" Heater Support	2	603A 5025 5020		1/2" x 3" x 7"				
O	17	" " Clamp	2	TO SUIT ERECT. SHOP		118-F-459				
O	18	" Regulator Bracket	1	602A 5031		602A 5031				
O	19	" " Shaft	1	603A 5025 5020		60E 5002				
O	20	" " " Arm	1	602A 5009		602A 5009				
O	21	" " " Hanger	1	603A 5025 5020		1/2" x 5" x 7"				
O	22	" " " Collar	1	"		1" x 2 1/4" DIA.				
O	23	" " " "	1	602D 5021	MACH. STEEL	—				
O	24	" " Quadrant	1	602A 5012		602A 5012				
O	25	" " Lever	1	602A 5013		—			60-18	
O	26	" " Latch	1	602A 5015		118-F-3			—	
O	27	" " " Handle	1	602A 5016		—			60-19	
O	28	" " " Spring	1	602C 5021		—			—	
O	29	" " " Link	1	602A 5021	mach. steel	—			—	
O	30	" " " Guide	1	602A 5018		—			60-21	
	31	" " " Pin	—							
O	32	" " Lever Dowel	1	602B 5021	STICK BRASS	—			—	
O	33	" " " Stop	1	602A 5014		—			60-22	
O	34	" " " Thumb Nuts	1	602A 5017		—			60-20	
	35	" " " Adjusting Screw	—							
O	36	" Damper Regulator Quadrant	1	602A 5034 5020		602A 5034 5020				
O	37	" " " Handle	1	602A 5020	15 11/16"	602A 5020				
O	38	" " " Shaft	1	602A 5026	1 1/4" PIPE 85 3/16" LONG	—				
O	39	" " " " Bushing	2	602E 5021		—			60-23	
O	40	" " " " Arm	1	602B 5035		602B 5035			—	
O	41	" Heater	1	E-11819 LINE 3	2 1/2" PIPE	—				
O	42	" " Stuffing Box	2	"			60-1			
O	43	" " " " Follower	2	"			—		60-2	
O	44	" " " " Nut	2	"			65-52		—	
O	45	" FAN DAMPER ROD	1	603A 5025 5020	1/2" PIPE	60A 5004	—		—	
O	46	" DAMPER REGULATOR SHAFT BRACKET	1	603A 5025	1/2" PLATE					
	47									
	48									
	49									
	50	**GROUP 61—PAINT'G, LETTER'G, NUM'G**								
	51	Lettering	—							
	52	Numbering	—							
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 62—PILOT AND SNOW PLOWS								
	1	PILOT								
	2	Pilot Band								
	3	" Bottom Plate								
	4	" Corner Iron								
	5	" Brace								
	6	" "								
	7	" "								
	8	" "								
	9	" " Rod.								
	10	" Knee								
	11	" "								
	12									
	13									
	14	Snow Plow	—							
	15									
	16									
	17	GROUP 63—PIPE FITTINGS								
	18	Air Gauge Fitting	—							
0	19	" Pump Oil Fitting	1 SET	7138	STICK BRASS	—	—	—	—	—
	20	" " " " Nut								
	21	" " " " Swivel								
	22	" " Exhaust Wye								
	23	" " Tee								
	24									
	25									
0	26	Blower Fitting	1	11414	632A5008	—	63-80	—	—	—
	27	" " Nut	—							
0	28	Brake Release Check	1	13523	STICK BRASS	—	—	—	—	—
0	29	" " " Valve	1	"		—	—	—	63-64	—
	30	Brake Ex. Fitting								
	31	" " " Nut								
	32	Coal Sprinkler Fitting								
	33	" " " Nut								
	34	" " " Swivel								
0	35	Cylinder Oil Pipe Fitting	3 SET	632A5005	STICK BRASS	—	—	—	—	—
	36	" " " " Nut								
	37	" " " " "								
	38	" " " " Swivel								
	39	" " " Bracket								
	40	Angle Valve Nut								
	41	" " Swivel								
	42	Through Valve Nut								
	43	" " Swivel								
	44	Oil Cock Nut								
	45	" " Swivel								
	46	Lubricator Check								
0	47	Steam Brake Oil Fitting	1 SET	7138	STICK BRASS	—	—	—	—	—
	48	" " " " Nut	—							
	49									
	50	Check Pipe Union								
	51	" " " Nut								
	52	" " " Swivel								
0	53	Oil Pipe Union	1	560R239	MACH. STEEL	—	—	—	—	—
	54	" " " Nut								
	55	" " " Swivel								
	56	Steam Pipe Union								
	57	" " " Nut								
	58	" " " Swivel								
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—PIPE FITTINGS (Cont.)								
	1	Pipe Clamp	7							
	2	" "								
	3	" "								
	4									
	5									
	6									
	7									
	8									
	9									
	10									
	11									
	12									
	13									
	14	**GROUP 64—PIPING ARRANGEMENTS**								
	15	Piping Arr'g. General								
	16	" " Air Brake								
	17	" " Cooling Pipes								
	18	" " Bet. Eng. and Tender								
	19	" " Oil Heater								
	20	" " Sprinkler								
	21	" " Steam Heat								
	22									
	23									
	24									
	25									
	26	**GROUP 65—PISTON AND ROD**								
✓	27	PISTON HEAD	3	652 B 5077		—	65-112			
✓	28	" Packing Rings, Material For	6	653 L 5000	Pot Pattern	—	65-14			
✓	29	" Rod	3	652 A 5126		FIN. SIZES 3 15/16" x 2 3/4" DIA.	—			
✓	30	" " NUT	3	"	3 1/2" HEX - 1 1/4" THICK - 2 1/2" TAP - 8 THDS.	—	—			
	31				M 5170 6/38 Soft white.					
	32				652 A 5154 5/37					
✓	33	PISTON ROD PACKING MAT'L FOR	18	METALLIC	~~Pot Pattern~~	—	—			
✓	34	Packing Rings	9 SET	~~7719 SET 3~~	PAXTON + MITCHELL - PURCHASED		—			
✓	35	" Spring Washer	3	7759 " 1			65-50			
✓	36	" Swab Cap	3	652 A 5089			—			65-30
✓	37	" Follower	3	652 D 5012	STICK BRASS		—			
✓	38	" Stuffing Box	3	652 A 5062			65-83			
✓	39	" " " Gland	3	652 A 5063			65-84			
✓	40	" Vibrating Cups	3	652 A 5079 B 6/38			65-120			
✓	41	" Spring	3	# 11			—			
	42									
	43									
✓	44	PACKING STUDS Piston Rod	12	7758 SET 3		—	—	—	—	—
	45	**GROUP 66—PLUGS**								
	46	Arch Tube Plug	—							
✓	47	Back Head Plug (Prime)	3	1 7/8" - 11 1/2" THD. - TAPER 3/4" IN 12" - PURCHASED			—	—	—	—
✓	48	Crown Plug	4	" " " " " " " "			—	—	—	—
	49	Ecc. Strap Plug	—							
✓	50	Firebox Plug (Prime)	4	1 7/8" - 11 1/2" THD. - TAPER 3/4" IN 12" - PURCHASED			—	—	—	—
	51	" "								
	52	Fusible Plug								
	53	Indicator Plug								
	54	Smoke Box Plug								
	55	Tube Sheet Plug								
	56	Test Plug								
✓	57	Waist Plug (Prime)	4	1 7/8" - 11 1/2" THD. - TAPER 3/4" IN 12" - PURCHASED			—	—	—	—
	58	Washout Plug Valve								
	59	" " " Cap								
	60	" " Flange								
	61	" " "								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 68—REVERSE LEVER								
O	1	Reverse Lever	1	8301 LINE 1		83-F-70			—	
O	2	" " Arrangement	1	683A5007		—			—	
O	3	" " Handle	1	682A5029		—			68-127	
O	4	" " Latch	2	5126 LINE 1		83-F-47 FIN. SIZES 3/4" x 3 3/8" x 7/8"				
O	5	" " " Guide	2	"						
O	6	" " " Rod	2	"		83-F-48 FIN. SIZES 9/16" x 1 13/16" x 2"				
O	7	" " " ~~Details~~ PLATE	1	"						
O	8	" " Quadrant	2	8304 LINE 1		83-F-55				
	9	" " "	—			—				
O	10	" " " Plate	1	682A5026	PLATE	FIN. SIZES 1 5/16" x 2 1/8" DIA.				
O	11	" " ~~Foot Rest~~ BOLTS	2	8304		FIN. SIZES 1/4" x 2 1/8" DIA.				
O	12	" " ~~Shaft~~ " WASHER	2	"		FIN. SIZES 1/4" x 1 1/4" x 5"				
O	13	" " " ~~Length~~ "	2	"						
O	14	" " ~~Arm~~ LATCH GIB PLATE	1	5126	SPRING STEEL	—				
O	15	" " Fulcrum	1	682A5022				68-113		
O	16	" " ARM ~~Bracket~~	1	8361				68-107		
O	17	" " FULCRUM Pin	1	8311 SET 1		8311 SET 1 FIN. SIZES 1 1/4" x 3 3/4" DIA.		—		
O	18	" " ~~Shaft Stand~~ WASHER	1	"						
	19	" " Quadrant Bracket	—							
	20	" " " "								
	21	" " " "								
	22									
	23									
	24									
	25									
	26	**GROUP 69—REVERSE SHAFT**								
O	27	TUMBLING SHAFT	1	692C5013		692C5013	—	—	—	—
	28	" " Arm	—							
	29	" " Collar	—							
O	30	" " Box	3	692A5041			69-28			
O	31	" " " Cap	3	692A5030			69-19			
O	32	" " Coupling Ball	2	8340			69-58			
O	33	" " " Socket	2	"			69-59			
O	34	" " " Cap	2	"			69-60			
O	35	" " " Sleeve	1	"		FIN. SIZES 1 3/4" HEX 2 3/4" LONG				
O	36	" " " Conn.	1R	"		FIN. SIZES 1 3/4" HEX 4" LONG				
O	37	" " " "	1L	"		FIN. SIZES 1 3/4" HEX 4" LONG				
O	38	" " " Nut	2	"		FIN. SIZES 1 3/4" HEX 3 3/4" LONG				
	39									
	40	**GROUP 71—RUNNING BOARDS**								
M	41	RUNNING BOARD - ENG.	1SET	717A5008	71M.O.5005B	—				
O	42	" " - TENDER	1SET	713B5009	PLATE	—				
O	43	" " Bracket - BOILER	2	712A5033		712A5033				
	44	" " "	—							
	45	" " "	—							
O.	46	" " " ENGINE	~~2~~ 4	488A5020		71C5007	—	—	—	—
M	47	" " " "	1	"		169-F-397				
O	48	" " " Engine	2	713A5012	PLATE					
O	49	" " " "	1	713B5012						
O	50	" " " "	1	713C5012						
O	51	" " " "	1	713E5012						
O	52	" " " "	1	713F5012						
O	53	" " " "	1	713H5012						
O	54	" " " "	1	713K5012						
O	55	" " " Tender	2	3739 SET 2-LINE 2						
O	56	" " " "	6	3739 " 1- " 2						
	57	" " " "								
	58	" " " "								
	59	" " " "								
	60	" " " "								
	61	" " " "								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 72—RODS								
	1	Connecting Rods	3	8978 LINE 2		89-F-18			—	
	2	" " Brass, Xhd End	3	722A5054					72-20	
	3	" " " " "	3	" J-R-14563-(6-38)					72-19	
	4	" " " Crank "	3	722A5028					72-63	
	5	" " " " "	3	"					72-63	
	6									
	7	Connecting Rod Strap	3	722B5087		722B5087 FIN. SIZES 1" x 2" x 3"				
	8	" " Wedge—Top	3	8957 SET 6		1¼ x 2¼" x 3" FIN. SIZES				
	9	" " " —Bottom	3	8959 " 4		2" x 3½" x 4½"				
	10	" " Key—Top	3	8964 " 4		89-F-20				
	11	" " " —Bottom	—							
	12	" " Wedge Liner	—							
	13									
	14									
	15									
	16	**GROUP 73—SAND BOX**								
	17	Sand Box—Front	1	733D5000					—	
	18	" " Base	1	12225 LINE 2					73-15	
	19	" " Top	1	733D5000					—	
	20	" " Lid	1	732B5000					73-31	
	21	" " Valve	2	732A5022					73-4	
	22	" " Lever—Short	1	732A5004					73-20	
	23	" " " —Long	1	733D5000		73-A-5000			—	
	24	" " Rod Handle	1	732A5027					73-6	
	25	" " Rigging	2	733D5000		1/4" x 1 1/4" x 17 3/4"			—	
	26	" " Rod	1	3/8" PIPE TO SUIT ERECT. SHOP					—	
	27	Air Sander	4	732A5002					73-93	
	28	" " Nozzle	4	"	STICK BRASS					
	29	Sand Box—Flue	1	12227 LINE 1	PLATE					
	30	" " Funnel	1	732A5033	GALV. IRON.					
	31	" " Scoop	1	"						
	32	SAND BOX—Back	1	732B5032	PLATE					
	33	Back Sand Box ~~Arrangement~~ HANDLE	1	12227		151-F-98				
	34	" " " Base	2	732A5025					73-5	
	35	" " " Top	2	732A5024					73-314	
	36	" " " Covers	2	"					73-12	
	37	FRONT " " ~~Valve~~ LUGS	4	733D5000		530-S-85			—	
	38	" " " ~~Shaft Hanger~~ STUDS	4	"	5/8" DIA. LENGTH TO SUIT ERECT. SHOP				—	
	39	" " " " " Caps								
	40	" " " Hand Lever								
	41	" " " " " Fulcrum								
	42	" " " " " Rod								
	43	" " " Horiz. Lever								
	44	" " " " " Fulcrum								
	45	" " " " " Guide								
	46	" " " Rod Jaws								
	47	" " " " "								
	48	" " " Shaft								
	49	" " " " Lever								
	50	" " " " "								
	51	" " " Valve Lever								
	52	" " " " Rod								
	53	" " " " "								
	54	" " " " " Conn.								
	55	" " " Rod Bell Crank								
	56	" " " " " " Fulcrum								
	57	" " " Brace	2	TO SUIT ERECT. SHOP		122-F-87	—	—	—	—
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 74—SHAFTS								
O	1	COUPLING RING —Front	2	743A5027				74-493	—	
O	2	" " Half "	4	743B5027				74-494	—	
O	3	" " Bushing "	8	742A5040				—	74-495	
O	4	" " Oil Cellar "	8	742A5041			74-496	—		
O	5	" " —No. 2	2	743A5027				74-493		
O	6	" " Half "	4	743B5027				74-494		
O	7	" " Bushing "	8	742A5040				—	74-495	
O	8	" " Oil Cellar "	8	742A5041			74-496	—		
	9	" " —No. 3								
	10	" " Half "								
	11	" " Bushing "								
	12	" " Oil Cellar "								
O	13	" " —Rear	2	743A5011				74-505	—	
O	14	" " Half "	4	743B5011				74-506	—	
O	15	" " Bushing "	8	742A5039				—	74-508	
O	16	" " Oil Cellar "	8	742A5038			74-507	—	—	
O	17									
O	18	CRANK SHAFT	1	745A5005	# 72	157-F-33	—	—	—	—
	19	Counterbalance	—							
O	20	" Weight	2	1573			74-447			
O	21	" "	2	"			74-448			
O	22	" "	2	"			74-449			
O	23	" Yoke	6	"		157-F-2	—			
	24	" "	—							
O	25	Horn Coupling	2	742A5167		—	—	74-35	—	—
	26	" "	—							
O	27	" " Key	2	9060 LINE 7		90-F-32	—	—	—	—
	28									
	29									
W	30	LINE SHAFT—Front Truck	1	743A5066		FIN. SIZES 9 3/16" x 5 1/2" DIA.	—	—	—	—
W	31	" " —2nd "	1	"		FIN. SIZES 9 13/16" x 5 1/2" DIA.	—	—	—	—
	32	" " —3rd "	—							
W	33	" " —Rear "	1	743A5066		FIN. SIZES 9 1/16" x 5 1/2" DIA.	—	—	—	—
O	34	" " Bearings, Outside—Front	2	742B5081					74-765	
O	35	" " " Inside "	2	"					74-765	
O	36	" " " Outside—2nd	2	"					74-765	
O	37	" " " Inside "	2	"					74-765	
	38	" " " Outside—3rd	—							
	39	" " " Inside "	—							
O	40	" " " Outside—R'r	2	742B5081		—	—	—	74-765	—
O	41	" " " Inside "	2	"		—	—	—	74-766	—
	42	" " " Plate—Front								
	43	" " " " —2nd								
	44	" " " " —3rd								
	45	" " " " —Rear								
O	46	" " Collar	4	742D5051		—	—	74-213		
O	47	" " "	1	742E5051		—	—	74-214		
W	48	" " "	1	742Y5051		—	—	74-213		
	49	" " "								
	50	" " "								
	51	" " "								
	52	" " "								
	53	" " "								
	54	" " "								
W	55	" " Coupling	2	742C5293				74-35		
W	56	" " "	1	742C5025				74-33-C	FOR FUTURE	
W	57	" " "	1	742D5025				74-33-C	FOR FUTURE	
	58	" " "								
	59	" " "								
	60	" " "								
	61	" " "								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 74—SHAFTS (Cont.)								
O	1	LINE SHAFT Coupling Key	4	9060 LINE 3		9060 LINE 3				
O	2	" " " "	4	9060 " 4		9060 " 4				
O	3	" " " "	4	9060 " 5		9060 " 5				
	4	" " Collar "	—							
O	5	" " Pinion	6	742 F-5015		—	—	74-163-E	—	—
	6	" " "								
	7	" " "								
	8	" " "								
O	9	" " Washer	6 PAIR	742 D 5147		—	74-140	—	—	—
	10	" " "								
	11	" " "								
	12	" " "								
O	13	GEAR RIM	6	743 D 5040		—	74-162	74-162		
O	14	" " Bolt	48	742 A 5255				—		
O	15	" " Key	24	742 F 5007				—		
O	16	SQUARE SHAFT—Front	1	9029 LINE 2				74-288		
O	17	" " —Back	1	9028 " 2		9028 LINE 2		—		
O	18	" " —Center	1	9029 " 4		—		74-739		
	19	" "	—							
O	20	" " Sleeve	1	4941				74-673		
O	21	" " "	1	"				74-673		
O	22	" " "	1	4978 LINE 1				74-524		
	23	" " "	—							
	24									
	25									
	26	GROUP 75—SMOKE BOX AND STACK								
O	27	SMOKE BOX ARRANGEMENT	1	753 A 5016		—	—	—	—	—
	28	" " Deflecting Plate	—							
	29	Deflecting Plate Angle	—							
O	30	Draft Pipe	1 SET	753 A 5016	PLATE	—				
O	31	" " Hanger	2	"		129-F-44				
O	32	" " "	2	"		129-F-45				
O	33	" " "	1	"		129-F-247				
O	34	" " " Key Bolt	10	"		75 A 5030				
O	35	~~Netting Frame~~ "	1	"		129-F-251				
	36	" Ring								
	37	Cinder Pocket								
	38	" Pot Base								
	39	" " Lid								
	40	" " Hand Wheel								
	41	" " Yoke								
	42	Cleaning Hole								
	43	" " Flange								
	44	" " Cover								
	45	Peep " Flange								
	46	" " Cover								
O	47	SMOKE BOX Brace—Right	1	TO SUIT ERECT. SHOP		130-F-15		—		
O	48	" " " —Left	1	" " " "		130-F-15		—		
O	49	" " " Pad	2	13004				75-124		
O	50	" " " Pin	2	13002 STYLE 3						
O	51	" " " Washer	2	13003 " 3						
O	52	SMOKE BOX FRONT	1	A-12964 LINE 1	PLATE					
O	53	" " " Door	1	"						
	54	" " " Liner	—							
	55	" " Door Liner	—							
O	56	" " " Buttons	15	A-12952		—	75-455			75-25
O	57	" " " Hinge	1	" Bottom	752-A-5079	75-A-5000				75-26
O	58	" " " "	1	" Top	"	75 A 5003				
O	59	" " " " Lug	1	"		—				
O	60	" " " " "	1	"		—				
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 75—SMOKE BOX & STACK (Cont.)								
1	1	SMOKE STACK (Type TAPER)	1	752 B 5038			75-43	—	—	—
	2	Smoke Stack Base								
	3	" " Extension								
	4	" " Top								
	5	" " Cone								
	6	" " " Bracket								
	7	" " " Brace								
	8	" " " "								
	9	" " Cleaning Hole								
	10	" " " " Cap								
	11	" " Hood								
	12	" " Ring								
	13	" " "								
	14	" " " Angle								
1	15	" " Saddle	1	1269 3 LINE 1			75-141	—	—	—
	16									
	17									
	18	GROUP 76—SPRINGS								
0	19	Truck Bolster Springs	90	762 A 5003	PURCHASED	—	—	—	—	—
	20	" Pedestal "	—							
0	21	Drawgear Springs	2	M.C.B. CLASS G - PURCHASED		—	—	—	—	—
	22									
	23									
	24									
	25									
0	26	GR'P 78—STE. GAUGE SAF. VAL. & TUR.	1	5½" ASHCROFT - BRASS RING		—	—	—	—	—
	27	Steam Gauge								
	28									
0	29	Safety Valve	2	2½" CONSOLIDATED FORM H		—	—	—	—	—
	30	" "	—							
	31	" " Elbow	—							
0	32	" " Turret	1	782 B 5003		—	—	78-7	—	—
	33	" " " Bushing	—							
0	34	" " " Ring	1	792 N 5005		—	79-14	—	—	—
0	35	" " " Casing	1	782 A 5006	PLATE	—				
0	36	" " " Flow-Bowl	1	"		114-F-65				
0	37	TURRET	1	783 C 5003					78-84	
0	38	" Ball Joint	1	A-11407 STYLE 1					78-99	
0	39	" Stuffing Box	1	782 A 5002					78-82	
0	40	" " " Nut	1	"	STICK BRASS				—	
0	41	" " " Follower	1	"	" "				—	
0	42	" Master Valve	1	"					78-85	
0	43	" " " Nut	1	"	STICK BRASS				—	
0	44	" " " Stem	1	"					78-87	
0	45	" " " Hand Wheel	1	783 C 5003			27-14		—	
0	46	" Bonnet Ring	1	782 A 5002			—		78-86	
	47	Turret (Auxiliary)	—							
	48	GROUP 79—STEAM PIPES & TEE HEADS								
0	49	STEAM PIPES	1	793 A 5006		—	79-663	—	—	—
	50	" " Slip Joint								
	51	" " " " Gland								
	52	" " Elbow								
	53	" " " Support								
	54	" " Tee Head								
0	55	" " Joint Ring—Top	1	792 C 5042		—	79-36	—	—	—
0	56	" " " " —Bottom	1	792 K 5042		—	79-673	—	—	—
	57	" " " "								
	58	" " " " Gland								
	59	" " Casing								
	60	" " Flange								
	61	" " Nipple								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 81—SUPERHEATER								
	1	Superheater Arrangement								
	2	" Header								
	3	" " Support								
	4	" " "								
	5	" Return Bends								
	6	" " "								
	7	" Tube End								
	8	" " Joint								
	9	" " Clamp								
	10	" " " Washer								
	11	" " " Bolt								
	12	" " " " Washer								
	13	" " Support								
	14	" " Bands								
	15	" Unit								
	16	" Damper								
	17	" " Cyl.								
	18	" " " Arm								
	19	" " " Support								
	20	" " Arm								
	21	" " Rod								
	22	" " Shaft								
	23	" " "								
	24	" " " Bearing								
	25	" " " "								
	26	" " " "								
	27	" " " "								
	28	" " " Link								
	29	" " Counterweight								
	30	" " " Arm								
	31	" " Hinge								
	32	" " Flag								
	33	" Deflector Handle								
	34	" " Clamp								
	35	" " Plate Stud								
	36	GROUP 82—TANK VALVES								
∅	37	TANK Valve—Water	2	823A5006			82-22			
∅	38	" " Body	2	"			82-23			
∅	39	" " " Plate	2	"			82-19			
∅	40	" " Bottom Plate	2	"			82-20			
∅	41	" " Top "	2	"			82-18			
∅	42	" " Cap	2	"			82-16			
∅	43	" " Seat	2	"			—		82-21	
∅	44	" " Stem	2	A-15147 STYLE I		151-F-2	—			
∅	45	" " " Nut	2	823A5006			82-17			
∅	46	" " " Handle	2	"			82-14			
∅	47	" " " Clamp Nut	2	"			82-15			
∅	48	" " Strainer	2	"			—			
	49	Siphon Arrangement	—							
∅	50	Siphon	1	822A5015			82-111			
∅	51	" Tube	1	"			82-113			
∅	52	" ~~Pipe Flange~~ BRACKET — TOP	1	822A5004	PLATE		—			
∅	53	" ~~Goose Neck~~ " — BOTTOM	1	"			—			
	54	" Stand Pipe								
	55	" " " Flange								
	56	" " " "								
	57	" Hose Strainer								
∅	58	" " " Body	1	15142 LINE 2			82-24			
∅	59	" " " Cap	1	"			82-25			
∅	60	" " Nipple	2	11329 LINE 5	5" W.I. PIPE		—			
∅	61	" " Bracket	6	488A5020		113-F-5	—			

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 82—TANK VALVES (Cont.)								
	1	Tank Valve—Oil	1	A-15163			—		82-53	
	2	" " Seat	1	"			82-54			
	3	" " Cap Plate	1	"			82-55			
	4	" " Plate	2	"			82-56			
	5	" " Rod	1	"	Length To Suit E.S.	151-F-55				
	6	" " Screen	1	"	4" Pipe 4⅛" Long					
	7	" " Nut	1	"	Bar Stock					
	8	" " Flange	1	11305 Set 1			82-39			
	9	" " Lever	1	B-15113		151-F-25 ✓				
	10	" " Stem	1	A-15163 Line 1		151-F-51 ✓				
	11	" " " End	1	822A5022	Stick Brass					
	12	" " " Stuffing Box	1	A-15171					82-58	
	13	" " " " " Nut	1	"					82-57	
	14	" " " " " Gland	1	"					82-60	
	15	" " " " " Follower	1	"	Stick Brass					
	16	" Cock	1	1¼" Stop Cock						
	17	" ~~Cooler~~ Valve Stem Cock	1	A-15163 Line 1		151-F-53 ✓ Fin. Sizes 3/8" x 1" x 70½				
	18	Tank Measuring Rod	1	823H5005						
	19	" " " Flange	1	A-15130			82-132			
	20	" " " Handle	1	"			82-133			
	21	" " " Guard	1	"	30" x 1¼" Pipe					
	22	" " " "	1	"	15" x 1¼" "					
	23	" Valve Bell Crank	1	B-15112 Set 1-Line 1		B-15112 Set 1-Line 1				
	24	**GROUP 83—TANK—ENGINE**								
	25	Fuel Bunk	1	833A5001	Plate	—	—	—	—	—
	26	" " Rack								
	27	" " Tie Rod								
	28	" " Straps								
	29	" " Lugs								
	30	" " Gate								
	31									
	32									
	33	**GROUP 85—TENDER FRAME**								
	34	Tender Frame	1	16118 Line 8	See 854? 5004 For New Work.	—				
	35	" " Angle	10	"		5/8" x 6" x 6" - 9½" Long				
	36	" " "	4	"		5/8" x 3½" x 6" - 9½" "				
	37	" " "	8	"		5/8" x 3½" x 3½" - 9½" "				
	38	" " Safety Chain Lug	2	10115		101-F-30				
	39	" " Bolster—Top								
	40	" " " —Bot.								
	41	" " Brace								
	42	" " Arr'gt.	1	16110		—	—	—	—	—
	43	" " "	—							
	44	Frame Centre Plate	1	483C5008		—	—	48-47	—	—
	45	" End Casting	1	853A5001		—	—	85-21	—	—
	46	" " Timber Brace	—							
	47	" Side Bearings	2	482A5137		—	48-29	—	—	—
	48	**GROUP 87—TENDER DECK, TOOL BOX**								
	49	Tool Box	—							
	50									
	51	**GROUP 88—TENDER TANK**		884D5003	21329R 1-13-25					
	52	Tank—Water	1	~~A-15175 Line 4~~	4000 Gal					
	53	" Material Bill	1 Set	~~88M05009A~~ 88M05061						
	54	" Funnel	1	5091 Line 3	Plate					
	55	" " Lid	1	"						
	56	" " Hinge	2	"		151-F-97				
	57	" " Handle	1	"		151-F-98				
	58	" " Hinge Lug	2	"		151-F-96				
	59	" " " Pin	2	"		—				
	60	" " Angle	1	"		88A5001				
	61	" Lug	4	882A5016		151-F-60				

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 88—TENDER TANK (Cont.)								
	1	Tank—Headlight Bracket	—							
O	2	" —Ladder	1R	A-15102 LINE #3	21324R 1-13-25	151-F-~~#~~ 23	—	—	—	—
O	3	" "	1L	"		151-F-~~#~~ 23	—	—	—	—
	4	" —Coal Gate								
	5	" —Fuel Rack								
	6	" —Shoveling Sheet								
	7	" " "								
O	8	Tank—Oil	1	883 C 5015						
O	9	" Material Bill	1 SET	88M05019						
O	10	" Funnel	1	B-15108 LINE 2	PLATE					
O	11	" " Cover	1	"						
O	12	" " " Eye Bolts	2	"		470-5-143				
O	13	" " " Tail Nuts	2	"		470-5-13				
O	14	" " " Handle	1	"		151-F-98				
O	15	" " Lug	2	88[illegible]		470-5-144				
O	16	" " "	1	88[illegible]		470-5-145				
O	17	" " Ring	1	B-15108 LINE 2	408	151-F-105				
O	18	" " Angle	1	"	20-2 A1324 20-141	151-F-110				
O	19	" Lug	2	882A 5016		151-F-60				
O	20	" "	2	882A 5007		882A5007				
	21	**GROUP 91—THROTTLE & DRY PIPE**								
O	22	Throttle Arrangement	1	914 B 5008			—			
O	23	Throttle Valve	1	912 A 5055			91-470			
O	24	" Case	1	913 A 5021			91-497			
O	25	" Valve Stem	1	912 B 5057		912 B 5057	—			
O	26	" " " Stop	1	914 B 5008	PLATE TO SUIT		—			
O	27	" Pipe Elbow	1	913 A 5021			91-466	91		
O	28	" Pipe Flange	1	912 A 5067			—	91-467		
O	29	" " Joint Ring	1	913 A 5021			79-36			
O	30	" Bell Crank	1	B-12161		B-12161				
O	31	" " " Fulcrum	1	12106		121-F-9				
O	32	" ~~Pipe Support~~ VALVE STEM STOP	1	B-12158 LINE 3		B-12158 LINE 3				
O	33	" " Yoke	1	913 A 5021		91 A 5025				
O	34	" VALVE ~~Bracket~~ CASE SUPPORT	1	"		91 A 5043				
	35	" " "	—							
O	36	" Stuffing Box	1	912 A 5050		—	91-14	—	—	—
O	37	" " " Gland	1	"		—	91-15	—	—	—
	38	" " " Flange								
	39	" Baffle Plate								
	40	" " "								
	41	" " " Handle								
	42	" " " Angle								
	43	" " " Studs								
	44	" " " Nuts								
	45	" " " Keys								
O	46	THROTTLE LEVER	1	913 C 5018		91 C 5029				
O	47	Throttle Lever Handle	1	D-3550	PRESSED STEEL	FIN. SIZES 1" 3/4" x 2 1/8" x 5 1/8"				
O	48	" " Latch	1	913 C 5018		91 H 5028				
O	49	" " " Rod	1	"		91 B 5016				
O	50	" " Links	2	"		—		91-21		
O	51	" " Quadrant	1	"						
O	52	" " Fulcrum	1	"		91-B-5030				
	53	" " Guide	—							
O	54	" " Rod	1	913 C 5018		91 C 5031	—	—	—	—
O	55	" " Support	1	TO SUIT ERECT. SHOP		121-F-75	—	—	—	—
	56	DRY PIPE								
	57	" " Ring								
	58	" " Support								
	59	" " "								
	60	" " Yoke								
	61	" " Elbow								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 92—TOOLS								
	1	Brake Shoes								
	2	Chisel—Cape								
	3	" —Flat								
	4	Hammer—Soft			Wood Handle					
	5	Jack Screw								
	6	" " Cap								
	7	" " Base								
	8	" " Collar								
	9	" "								
	10	" " Cap								
	11	" " Base								
	12	" " Collar								
	13	Journal Brass Rod								
	14	Packing Hook								
	15	" Spade								
	16	Pinch Bar								
	17	Jack Bar								
	18	Torch								
	19	" Cap								
	20	" Nozzle								
	21	Valve Tram								
O	22	Wrench List	1 SET	92 MO 5013			—	—	—	—
O	23	~~Ash Hoe~~ TOOL EQUIPMENT	1 "	923A 5004			—	—	—	—
	24	" " Handle								
	25	Clinker Hook								
	26	Poker								
O	27	Wrecking Frogs	1 PAIR	No. 4 LIMA						
O	28	Grease	1	SAMPLE CAN						
O	29	Oil	1	" "						
	30	**GROUP 93—TRUCKS & DETAILS**								
O	31	TRUCK Plan	3	938 B 5004			—	—	—	—
O	32	" Bolster	3 SET	933A 5096			—	—	—	—
	33	" " End Casting—R.	—							
	34	" " " " —L.	—							
O	35	" " " Separator	6	932 B 5299			—	—	93-223	—
O	36	" " Spring Centers	180	A-9548			—	93-53	—	—
	37	" "								
	38	" "								
	39	" " Brake Rod Roller								
	40	" " " " " Brkt.								
	41	" " " Lever Guide								
	42	" " " " "								
O	43	" Center Plate	3	933K 5093			—	93-75-D		
O	44	" Side Bearing Base	6	932 C 5247			—	93-417		
O	45	" " " Block	4	932 E 5404			93-82			
			2	932 Y 5243			93-78	—		
O	46	" Frame	3	933 B 5095			—	93-583		
O	47	" "	3	933 ~~A 5061~~ B 5061			—	93-582		
O	48	" " Splice	3	"		FIN. SIZES 1/2" x 4" x 20"	—	—		
	49	" " "								
	50	" Right Arch Bar								
	51	" Left Arch Bar								
	52	" Right Inverted Arch Bar								
	53	" Left Inverted Arch Bar								
O	54	" Bottom Tie Bar-RIGHT	3	932 ~~A~~ B 5414	use Unit B for both Lugs.	932 ~~A~~ B 5414	—	—	—	—
O	55	" " " " -LEFT	3	932 B 5207		932 B 5207	—	—	—	—
	56	" " " " Angle								
	57	" " " " "								
	58	" " " Fill. Block								
	59	" Column—Right								
	60	" " —Left								
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 93—TRUCKS & DETAILS (Cont.)								
O	1	Truck Crosstie Bar—Top Front	1	932A5312		932A5312				
O	2	" " " " Rear	1	932B5312		932B5312				
O	3	" " " " Angles	2	932A5312		932A5312				
O	4	" " " " "	4	932B5276		1"×4"×4"L-78"LONG				
O	5	" " " ~~—Bottom~~ "	4	"		932B5276				
O	6	" " " " BOTTOM	6	932E5006		932E5006				
O	7	" " " " Fill Block	12	"		1"×2"×3"				
O	8	" " " —Center	2	932C5198		932C5198				
O	9	" " " "	2	932C5199		932C5199				
O	10	" Diagonal Braces	4	932A5214		93A5048				
O	11	" " "	2	938B5004		93A5036				
O	12	" " "	8	"		93F5000				
	13	" " "	—							
O	14	" Equalizer	3	932A5208		932A5208				
O	15	" Gear Cover	3	932A5398	PLATE					
O	16	" " "	3	932B5398						
O	17	" " "	3	932A5399						
O	18	" " "	3	932B5399						
O	19	" " " Bracket	6	932D5259		932D5259				
O	20	" " " "	6	932E5259		932E5259				
O	21	" " " " GUIDE	12	932A5260	PLATE.	~~932A5260~~				
O	22	" CROSS TIE BAR - CTR	1	932D5198		932D5198				
O	23	" " " " - "	1	932D5199		932D5199				
O	24	" King Bolt	3	10153 SET 3		10153 SET 3				
O	25	" " " Key	3	10153 " 4		10153 " 4				
O	26	" Safety Chain—To Frame - FRONT	2	932E5178		932E5178				
O	27	" " " " " -CTR.-R	1	932B5178		932B5178				
O	28	" " " " " - " -L	1	932H5178		932H5178				
O	29	" " " " " -REAR	2	932M5178		932M5178				
	30									
O	31	TRUCK BOX—Right	6	933B5031		—	—	93-580-A	—	—
	32	" " "								
	33	" " "								
	34	" " "								
O	35	" " Cap—Right	6	932A5086		—	—	93-587	—	—
	36	" " " "								
	37	" " " "								
	38	" " " "								
O	39	" Pedestal	6	933B5011		—		93-534		
O	40	" " Cap	6	932A5031		—		93-536		
O	41	" " " Shim	12	"		FIN. SIZES 1/4"×2 5/8"×13 1/4"				
O	42	" " " "	~~12~~ 24	"		FIN. SIZES 1/8"×2 5/8"×13 1/4"				
O	43	" " " "	24	"		FIN. SIZES 1/16"×2 5/8"×13 1/4"				
	44	" " " "	—							
O	45	" Box—Inside	6	932A5195		—	—	93-296	—	—
O	46	" " Cap—Inside	6	9353		—	93-297	—	—	—
O	47	" Inside Box Spring Center SHIMS	1 SET	TO SUIT SHOP PLATE.		—	—	—	—	—
O	48	" " Thrust Plate	6	932A5281		—	—	—	93-357	—
O	49	" Journal Brass	13	932A5032		—	—	—	93-537	—
	50	" " " Wedge	—							
O	51	" " OIL PIPE	6	938B5004	1/2" × 13" PIPE	—	—	—	—	—
	52									
	53									
	54									
	55									
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	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 94—VALVES—DISTRIBUTION								
	1	Piston Valve								
	2	" " Follower								
	3	" " T-Ring								
	4	" " Snap Ring								
O	5	Slide Valve	3	7408		—	94-152	—	—	—
	6	" " Plate	—							
O	7	" " Packing Strip	6	7408		—	94-153	—	—	—
O	8	" " " "	6	"		—	94-142	—	—	—
	9	" " Ring—Mat'l For	—		Pot Pattern					
O	10	" " Spring	12	~~7408~~ 943 B5000	94 MO-5000A	6 Long 6 short	—	—	—	—
	11									
	12									
	13	VALVE STEM	—							
O	14	" " Crosshead	3	4708 2N. 2			94-106			
O	15	" " " Guide	3	"			94-104			
O	16	" " " " Plate	6	"			94-105			
	17	" " " Gibs	—							
	18									
O	19	VALVE YOKE	3	942 C 5054		76-F-15	—	—	—	—
	20	" " Block	—							
O	21	" " Key	3	4708		—	—	—	—	—
O	22	VALVE STEM PACKING	3 SET	GARLOCK		—	—	—	—	—
	23	Packing Rings								
	24	" Spring Washer								
	25	" Swab Cup								
	26	" Vibrating Cup								
	27	" Follower								
O	28	" Stuffing Box	3	7757 SET 5		—	65-209	—	—	—
O	29	" " " Gland	3	"		—	65-208	—	—	—
	30	" Spring	—							
O	31	" Studs, Valve Stem	9	7757 SET 5		—	—	—	—	—
	32									
	33	GROUP 95—WHEELS AND TIRES								
O	34	Wheel	12	953 C 5035		—	95-347	—	—	—
O	35	Tire	12	3417	SEC. #6	—	—	—	—	—
	36	Hub Plate	—							
	37									
	38									
	39	GROUP 96—WHISTLE AND RIGGING								
O	40	WHISTLE	1	5" C.I. CHIME	PURCHASED	—	—	—	—	—
	41	" Bowl								
	42	" Bell								
	43	" Valve								
	44	" Gland								
	45	" Nut								
	46	" Diaphragm								
O	47	" Lever	1	962A 5010		962A 5010	—	—	—	—
	48	" Elbow	—							
	49	" Rigging	—							
O	50	WHISTLE Hand Lever	1	A-11149		111-F-10	—	—	—	—
	51	" " " Fulcrum	—							
O	52	" Rod	1	3/8" PIPE TO SUIT E.S.		—	—	—	—	—
O	53	" Bell Crank	1	A-11149		111-F-11	—	—	—	—
O	54	" Rod Thimble	1	122 A 4	BAR STOCK	—	—	—	—	—
O	55	" " " Washer	1	"		—	—	—	—	—
	56									
	57	GROUP 99—MISCELLANEOUS								
	58	SPEED RECORDER RIGGING	—							
	59									
	60									
	61									

CLASSIFICATION OF DRAWINGS
GEARED LOCOMOTIVE

Group No.	TITLE
10	Ash Pan and Oil Pan
11	Axles
12	Bell and Ringer Blow-off Cock—See 26 Blower Pipe Elbow—See 63
13	Boilers
14	Boiler Details and Attachments—Tubes and Flues. Boiler Checks—See 55
15	Bolts and Nuts, Studs, Pins and Bushings Boxes, Shay Engines—See 93
18	Brackets, Air and Steam Gauge Brackets, Shay Cylinder, Steam and Cylinder Bottom Brackets
20	Brake Equipment, Foundation, All Brake Equipment, Engine and Tender Brick Arch—See 45
21	Bumpers and Details By-pass Valve—See 34
22	Cabs
23	Cab Details, Apron, Brackets, Door Fixtures, Ventilator, etc. Cab Handle—See 53 Cab Lamp—See 54 Cab Tool Box—See 23 Cab Turret—See 78 Chafing Plate—See 48 Cinder Valve and Pipe—See 75 Clearances—See 98 Coal Pusher—See 88
26	Cocks and Valves, Cylinder and Blow-off Cocks, Globe Valves
27	Cocks and Valves, Gauge, Water and Special
28	Cock Rigging Connecting Rods—See 72 Coupler, Engine—See 37 Coupler, Tender—See 37
29	Crank Pins and Details
30	Crossheads, Arm, Pin, Key and Shoes Crossties—See 48
31	Cylinders and Barrel Bushings
32	Cylinder and Steam Chest Heads and Covers, Steam Chests and Bushings
34	Cylinder By-pass, Relief, Vacuum and Drifting Valves
35	Die Work—Flanging Dies
36	Dome—Cap, Casing and Ring
37	Draw-Gear, Engine, Coupler, Uncoupling Rigging Front Buffers, Drawbars, Safety Chains and Bars All Drawgears F and B Drawgear, Tender—See 37 Draft Pipe—See 75 Dry Pipe—See 91
39	Eccentrics, Cranks, Straps and Rods Engine Truck—See 93
42	Erecting Cards—Elevations
43	Erecting Cards—Cross Sections
44	Exhaust Pipe and Nozzles Expansion Pad, Knee and Plate—See 48 Feed Water Attachments—See 55
45	Fire Door, Fire Brick and Tubes, Smoke Consumer Fire Box Ring—See 14 Fire Extinguisher—See 64
48	Frames and Details
49	Gauges, Templates and Jigs
50	Guides, Yoke and End
51	Grate Arrangement
52	Grate Details Hand Holes—See 66
53	Hand Rail and Steps, Engine and Tender
54	Headlights and Signal Attachments, Lamps, Electric Wiring, Builders License and Number Plates
55	Injectors, Boiler Checks and Strainers Keys—See 15

Group No.	TITLE
57	Lagging and Jacket Lamps—See 54
58	Link Motion Mud Drum—See 14 Number Plates—See 54
59	Oil and Grease Cups, Lubricator and Bracket, Oil Can Holder, Flange Lubricator
60	Oil Burning Attachments—Engine Oil Burning Attachments, Tender—See 82
61	Painting, Lettering and Numbering—Photo
62	Pilot and Snow Plows
63	Pipe Fittings and Clamps, Air, Steam, Water and Lubricator Pipe Fittings
64	Piping Arrangements, Engine and Tender, Air Brake, Cooling, Oil Heater, Sprinkler and Steam Heat Piping
65	Piston and Rod, Extensions, Rod Packing
66	Plugs, Hand Holes and Washout Push Pole Pocket—See 21
68	Reverse Lever, Screw and Pneumatic Gears
69	Reverse Shaft and Reach Rod
70	Rocker and Box
71	Running Boards & Brackets, Side and Deck Sheets
72	Rods—Connecting and Stubs Safety Valves—See 78
73	Sand Box, Sanders and Rigging Side Sheet, Cab—See 71 Signal Attachments—See 54
74	Shafts—Crank, Line, Square, Crank, Counterbalance, Couplings, Brasses, Pinions, Gears, etc.
75	Smoke Box Arrangement, Front and Door, Smoke Stack and Extensions, Smoke Box Braces Smoke Consumer—See 45 Speed Recorder—See 99
76	Springs Sprinkler—See 64 Steam Chests—See 32
78	Steam Gauge, Safety Valve and Turrets Steam Heat—See 64
79	Steam Pipes and Tee Heads Steps—See 53
80	Stoker and Details, Engine and Tender
81	Superheater, Header and Details Superheater Flues—See 14
82	Tank Valves—Oil and Water, Handle, Well, Goose Neck, Strainer, Hose
85	Tender Frames
87	Tender Deck, Tool Box
88	Tender Tank—Water and Oil, Filling Hole, Tank Funnel, Coal Gate, Coal Pusher Tender Truck—Shay Engines—See 93
91	Throttle and Dry Pipe—Lever, Supports, Sleeves Tires—See 95 Tool Boxes, Engine—See 23 Tool Boxes, Tender—See 87
92	Tools
93	Trucks and Details, Shay Engine, including Boxes and Bearings Tube Setting—See 14 Turret, Safety Valve—See 78 Turret, Air—See 20
94	Valves, Distribution—Stems, Rods, Valve Rod Crosshead and Packing Valve Rod Crosshead Guide—See 94 Waist Sheets—See 48
95	Wheels and Tires—Driving Engine, Truck, Trailing, Tender Wheels
96	Whistle and Rigging
97	Preliminary Designs and Propositions
98	Clearance and Wheel Base Diagrams
99	Miscellaneous

Material Specifications